



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.
Center

RE: **FINAL PERMIT TO INSTALL MODIFICATION** **CERTIFIED MAIL**

LUCAS COUNTY

Application No: 04-01162

Fac ID: 0448970002

DATE: 8/4/2005

Integrated Resources Inc.

Scott Stansley

3810 Herr Road

Sylvania, OH 43560

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely

Michael W. Ahern, Manager

Permit Issuance and Data Management Section

Division of Air Pollution Control

CC: USEPA

TDES



**Permit To Install
Terms and Conditions**

**Issue Date: 8/4/2005
Effective Date: 8/4/2005**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 04-01162

Application Number: **04-01162**
APS Premise Number: **0448970002**
Permit Fee: **\$0**
Name of Facility: **Integrated Resources Inc. Stansley**
Person to Contact: **Scott**
Address: **3810 Herr Road
Sylvania, OH 43560**

Location of proposed air contaminant source(s) [emissions unit(s)]:
**3810 Herr Road
Sylvania, OHIO**

Description of modification:
Modification to the facility ID number for existing PTO 01162.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

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GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

PERMIT TO OPERATE APPLICATION AND OPERATION AFTER COMPLETION OF CONSTRUCTION

If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Integrated Resources Inc.** located in **LUCAS** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>
F009	F012 paved roadways & parking Areas (see section A.1.)

F010

F011

paved roadways &

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Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
parking Areas (see section A.1.)	storage piles)	Batch Concrete Plant		
		Cement transfer to silos		
		Silo vents	BAT Determination	
	wind erosion from storage piles (see Section A.1. for identification of storage piles)	Weight hopper loading	Use of water and or suitable dust suppressants	
		Loading of transit mix trucks		adequate moisture minimize drop heights
load-in and load-out of storage piles (see Section A.1. for identification of	load-in and load-out of storage piles, and wind erosion from storage piles	Transfer of sand and aggregate to bins	Use of water and or suitable dust suppressants	adequate moisture

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u> e and fabric filter	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
	Enclosure and fabric filter for cement loading	Applicable Federal & <u>OAC Rules</u>		3745-31-05 *3745-17-07(B)(6) *3745-17-08(B), (B)(6)
	Enclosure and fabric filter for cement loading	3745-31-05	* 3745-17-07(B)(5)	3745-31-05
Opacity restrictions, maintain sufficient moisture	Adjustable chute, adequate moisture		* 3745-17-08 (B), (B)(2) 3745-31-05	3745-17-07(B)(1)* 3748-17-08(B)*
				3745-31-05
		*3745-17-07(B)(4)		
		*3745-17-08(B), (B)(8), (B)(9)		3745-31-05
Pneumatic loading of cement		3745-31-05	3745-31-05	*3745-17-07(B)(1) *3745-17-08(B)(3)
Enclosur				3745-31-05

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
		18.63 tons PM per year	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.4 through A.7.)	see comment below
3745-31-05	Permit Allowable Mass Emissions and/or Control/Usage Requirements	no visible particulate emissions except for 3 minutes during any 60-minute period		4.0 tons PM per year no visible emissions from fabric filter during cement loading.
	0.28 ton PM per year	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.4. through A.9.)	2.11 tons PM per year	opacity not to exceed 20 % as a three minute average.
*3745-1 7-07(B)(1)	no visible particulate emissions except for one minute during any 60 minute period	See comment below	see comment below	see comment below
*3745-1 7-08(B)(3)	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.3. and A.5. through A.9.)	See comment below	2.11 tons/yr PM 20% opacity as a 3 minute average	see comment below
	See comment below	no visible particulate emissions except for 1 minute in any hour	see comment below	see comment below
	See comment below	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.4. through A.7.)	no visible particulate emissions except for 1 minute in any hour closed system	
	See comment below	no visible particulate emissions except for 1 minute in any hour	20% opacity, as a three minute average	see comment below

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* The limitations established by BAT are equally stringent or more stringent than the limitations established by these rules.

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	27.03

CONSTRUCTION STATUS

The **Toledo Division of Environmental Services** shall be notified in writing as to (a) the construction starting date, (b) the construction completion date, and (c) the date the facilities were placed into operation for the following sources: **F009, F010, F011 and F012.**

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Toledo Division of Environmental Services, 348 South Erie Street, Toledo, OH 43602.**

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

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MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Toledo Division of Environmental Services, 348 South Erie Street, Toledo, OH 43602.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

NOTICE OF INTENT TO RELOCATE

Pursuant to OAC Rule 3745-31-03(A)(1)(n), the owner or operator of the portable or mobile source identified within this Permit to Install may relocate within the state of Ohio without first obtaining a Permit to Install providing the following criteria are met:

- a. the source is equipped with the Best Available Control Technology for such source;
- b. the source is operating pursuant to a currently effective Permit to Operate;
- c. the applicant has provided proper notice of intent to relocate the source to the Director within a minimum of 30 days prior to the scheduled relocation; and
- d. in the Director's judgement, the proposed site is acceptable under Rule 3745-15-07 of the Administrative Code.

In order for the Director to determine compliance with all of the above criteria, the owner or operator of the portable or mobile source must file a "Notice of Intent to Relocate" at least 30 days prior to relocation of the source with the **Toledo Division of Environmental Services, 348 South Erie Street, Toledo, OH 43602.**

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Upon receipt of the notice, the Director, or the Director's authorized representative, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio Environmental Protection Agency approval prior to relocation of the source may result in fines and civil penalties.

CONSTRUCTION COMPLIANCE CERTIFICATION

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

I. F009 Roadways & Parking Areas

1. The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

paved roadways:

all

paved parking areas:

all

2. The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadways:

all

unpaved parking areas:

all

3. The permittee shall employ best available control measures on all paved roadways and

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parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by flushing with water, sweeping, and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

4. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
5. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
6. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
7. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
8. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
9. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

B. Operational Restrictions

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1. The permittee shall certify or possess certification that all dust suppressants used to control fugitive dust meet the PCB limitations set forth in 40 CFR 761, and that there are no listed hazardous wastes or characteristic hazardous wastes as set forth in 40 CFR 261.
2. The permittee shall not apply used oil as defined by OAC rule 3745-279-01(A)(12) as a dust suppressant.
3. The dust suppressant shall be applied in such a manner as to prevent pollution of waters of the State as required by the Ohio Revised Code, section 6111.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

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<u>paved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all	daily
<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all	daily

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

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- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations for the paved and unpaved roadways and parking areas identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

None

II F010 Storage Piles

1. The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Sand & Aggregate Storage Piles
2. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the load-in and load-out material(s) with water and/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
3. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required

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implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

4. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat each storage pile with water and/or any other suitable dust suppression chemicals via the spray tower at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
5. The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
6. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.

B. Operational Restrictions

1. The permittee shall certify or possess certification that all dust suppressants used to control fugitive dust meet the PCB limitations set forth in 40 CFR 761, and that there are no listed hazardous wastes or characteristic hazardous wastes as set forth in 40 CFR 261.
2. The permittee shall not apply used oil as defined by OAC rule 3745-279-01(A)(12) as a dust suppressant.
3. The dust suppressant shall be applied in such a manner as to prevent pollution of waters of the State as required by the Ohio Revised Code, section 6111.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
Sand & Aggregate	daily

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

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storage pile identification

minimum load-out inspection frequency

Sand & Aggregate

daily

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- 3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
Sand & Aggregate	daily

- 3. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
- 5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
- 6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- 7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii)

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the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

None

III. F011 Material Handling

1. The material handling operation(s) that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

All Sand and aggregate conveyors from storage piles to bins.

2. The permittee shall employ reasonably available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s)

control measure(s)

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Sand and aggregate conveyors The permittee shall maintain sufficient moisture in the sand and aggregate so as to comply with the visible emission requirements during transfer. Drop heights shall be minimized during loading of conveyors.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 3. For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
- 4. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

B. OPERATIONAL RESTRICTIONS

None.

C. MONITORING AND/OR RECORD KEEPING REQUIREMENTS

- 1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>material handling operation(s)</u>	<u>minimum inspection frequency</u>
Sand and aggregate conveyors	Daily

- 2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
- 3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

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4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 4.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. REPORTING REQUIREMENTS

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. COMPLIANCE DEMONSTRATION/TESTING REQUIREMENTS

1. Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

- a. Emissions Limitation: Opacity not to exceed 20% as a three minute average.

Applicable Compliance Method: Compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

- b. Emissions Limitation: PM- 2.11 tons per year

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Applicable Compliance Method: Compliance shall be demonstrated by maintaining sufficient moisture in the sand and aggregate so as to comply with the visible emission requirements during transfer.

F. MISCELLANEOUS REQUIREMENTS

None

IV. F012 Concrete Batch Plant

1. Cement shall be transferred pneumatically to storage silos. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust. Any visible emissions of cement emanating from the delivery vehicle shall be cause for the immediate halt of the unloading process and the refusal of the cement load until the situation is corrected.
2. The cement silos vents shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient so as to minimize at all times visible emissions of fugitive dust at the points of capture. There shall be no visible emissions from the fabric filter outlet.
3. The cement weigh hopper shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient to eliminate, at all times, visible emissions of fugitive dust. There shall be no visible emissions from any outlets.
4. Transit mix trucks shall be loaded using an adjustable chute and/or a flexible boot along with water spray during raw material loading. The equipment shall be operated so to comply with the visible emission requirements.

B. OPERATIONAL RESTRICTIONS

1. The maximum annual production rate for this emissions unit shall not exceed 200,000 cubic yards based upon a rolling, 12-month summation of the production rates.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the production levels specified in the following table:

<u>Month</u>	<u>Maximum Allowable Cumulative Production(cubic yards)</u>
1	30,000

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1-2	60,000
1-3	90,000
1-4	120,000
1-5	150,000
1-6	180,000
1-7	200,000
1-8	200,000
1-9	200,000
1-10	200,000
1-11	200,000
1-12	200,000

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After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual production rate limitation shall be based upon a rolling, 12-month summation of the production rates.

2. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
3. The permittee shall regularly maintain the baghouse and fabric control equipment associated with with emissions unit in accordance with manufacturers recommendations. Maintenance shall include regular repair and/or replacement of filters so as to maximize the particulate collection efficiency of this dust control system.

C. MONITORING AND/OR RECORD KEEPING REQUIREMENTS

1. The permittee shall maintain monthly records of the following information:
 - a. The production rate for each month.
 - b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the production rates.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative production rate for each calendar month.

2. The permittee shall maintain daily records that document any time periods when the water spray was not in service and/or when the dry filtration system was not in service when the emissions unit was in operation.
3. The permittee shall maintain records of the amounts of sand, aggregate, and cement processed at this plant so as to be able to determine the actual amount of fugitive dust emissions generated over any annual period. The permittee shall also maintain records of the gross yards (or tonnage) of concrete produced and transported from the facility on a monthly basis for purpose of determining the annual amount of fugitive dusts emitted from this emissions unit. These records shall be kept at the facility and shall be made available for review by Ohio EPA personnel upon request.
4. The permittee shall inspect the baghouse fabric filter control system serving both the cement silo and the batching operation at least once per week for the purpose of determining the need to maintain, repair, and/or replace any of the filters in the system or any portion of the system electrical controls. A broken or severely worn filter, or worn electrical control components, shall be replaced/repared immediately so as to prevent unnecessary emissions of fugitive dust from this emissions unit. Records of inspections, repairs, and maintenance to this emissions control system

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shall be noted in a facility log.

5. The permittee shall inspect the shroud and chute used to load the sand/aggregate/cement mixture into the concrete mix-trucks on a weekly basis to determine if these devices adequately minimize fugitive dust emissions which arise during the loading of the mix-trucks. If either the shroud or chute is excessively worn, they should be replaced immediately so as to minimize fugitive dust emissions from this emissions unit. The results of this inspection and any maintenance which is performed as a result of this inspection should be noted in a facility log.

D. REPORTING REQUIREMENTS

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the water spray and/or the dry filtration systems were not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
2. The permittee shall report any violations of the rolling 12-month summation to the appropriate Ohio EPA District Office or Local Air Agency within 30 days of discovery.
3. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day or week during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, repair, or maintenance function that was to be performed as a result of an inspection, was not implemented.
4. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. COMPLIANCE DEMONSTRATION/TESTING REQUIREMENTS

1. Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):
 - a. Emissions Limitation: PM- 4 tons per year

Applicable Compliance Method:

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Compliance is demonstrated by the use of water spray or wet suppression system and dry filtration system in conjunction with the rolling 12-month production limitation.

- b. Emissions Limitation: Opacity not to exceed 20 % as a three minute average.

Applicable Compliance Method:

Compliance shall be demonstrated through the monitoring and record keeping requirements of Section C.. If required, them permittee shall also demonstrate compliance by the methods and procedures of OAC rule 3745-17-03(B)(3).

- c. Emissions Limitation: No visible emissions.

Applicable Compliance Method:

Compliance shall be demonstrated through the monitoring and record keeping requirements of Section C.. If required, them permittee shall also demonstrate compliance by the methods and procedures of OAC rule 3745-17-03(B)(3)(b).

F. MISCELLANEOUS REQUIREMENTS

None